

WHAT IS CLAIMED IS:

1. A composition, comprising:
at least about 5 wt% of a monovinylarene-conjugated diene copolymer;
5 from about 0.1 wt% to about 2.5 wt% of an ultraviolet (UV) absorber; and
from about 0.1 wt% to about 2.5 wt% of a light stabilizer.
2. The composition of claim 1, wherein the light stabilizer is a hindered amine light stabilizer (HALS).
- 10 3. The composition of claim 1, comprising at least about 50 wt% of the monovinylarene-conjugated diene copolymer.
4. The composition of claim 1, comprising at least about 95 wt% of the
15 monovinylarene-conjugated diene copolymer.
5. The composition of claim 1, wherein the UV absorber comprises a phenol group and a triazol or triazin group.
- 20 6. The composition of claim 5, wherein the UV absorber is 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol or 2-(4,6-diphenyl-1,3,5-triazin-2-yl)-5-(hexyl)oxylphenol.
7. The composition of claim 6, comprising from about 0.3 wt% to about 0.6 wt% of the UV absorber.
- 25 8. The composition of claim 2, wherein the HALS comprises bis(1,2,2,6,6-pentamethyl-4-pipderidyl)sebacate or methyl 1,2,2,6,6-pentamethyl-4-pipderidyl sebacate.

9. The composition of claim 8, comprising from about 0.4 wt% to about 0.6 wt% of the HALS.

5 10. The composition of claim 1, further comprising a styrene/methyl methacrylate or polystyrene.

11. A method of synthesizing a UV-stabilized monovinylarene-conjugated diene copolymer composition, comprising:
10 combining (i) at least about 5 wt% of a monovinylarene-conjugated diene copolymer; (ii) from about 0.1 wt% to about 2.5 wt% of an ultraviolet (UV) absorber; and (iii) from about 0.1 wt% to about 2.5 wt% of a light stabilizer, to form the composition.

12. The method of claim 11, wherein the light stabilizer is a hindered amine light
15 stabilizer (HALS).

13. The method of claim 11, comprising from about 0.3 wt% to about 0.6 wt% of the UV absorber.

20 14. The method of claim 12, comprising from about 0.4 wt% to about 0.6 wt% of the HALS.

15. The method of claim 11, wherein the combining step comprises melt blending.

25 16. The method of claim 11, wherein the combining step comprises solution blending, coextrusion, or the forming of a tumbled blend.

17. A method of fabricating a UV-stabilized monovinylarene-conjugated diene copolymer article, comprising:

forming a composition comprising (i) at least about 5 wt% of a monovinylarene-conjugated diene copolymer; (ii) from about 0.1 wt% to about 2.5 wt% of an ultraviolet (UV) absorber; and (iii) from about 0.1 wt% to about 2.5 wt% of a light stabilizer into the article or a component thereof.

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18. The method of claim 17, wherein the light stabilizer is a hindered amine light stabilizer (HALS).

19. The method of claim 17, wherein forming comprises sheet extrusion,
10 thermoforming, injection molding, blow molding, film blowing, or film casting.